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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/911,409	07/25/2001	Tsuyoshi Tamura	110195	4925

25944 7590 06/14/2004
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EXAMINER

NGUYEN, KEVIN M

ART UNIT	PAPER NUMBER
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2674

DATE MAILED: 06/14/2004

17

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/911,409

Applicant(s)

TAMURA, TSUYOSHI

Examiner

Kevin M. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 May 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 3-8 and 11-16 is/are allowed.
- 6) ☒ Claim(s) 1,2,9,10 and 17 is/are rejected.
- 7) ☒ Claim(s) 18 and 19 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

During the personal interview with the applicant's representative on May 24, 2004, the rejection of the previous Office action is hereby withdrawn. Applicant's letter filed on May 24, 2004 has been entered. However, the claims 1, 2, 9, 10, 17 have been rejected in view of the newly discovered reference(s) to Ohguchi (US 5,493,329). Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1, 2 and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Ohguchi (US 6,329,973).

As to claim 1, Ohguchi teaches a memory-incorporated driver for display device (fig. 1) comprising

[lines 3-4 of claim 1]

A first bus line (a transmission line is from a switch 22 to a buffer memory 42, fig. 3) transfers a buffer memory for still pictures 42, a second bus line (a transmission line is from a switch 22 to a buffer memory 41, fig. 3) transfers a buffer memory for moving pictures 41 (col. 3, lines 6-9);

[lines 5-6 of claim 1]

a portion of buffer memory 42 for still pictures is also used in the case of moving picture, thereby making it possible to use the same buffer memory commonly to both of the buffer memories (fig. 3, col. 3, lines 31-35).

[lines 7-9 of claim 1]

reference numeral 31 denotes a memory controller for carrying out picture write and picture read control of buffer memory 41 (fig. 3, col. 3, lines 17-19). When a request for a still picture is given by depressing a predetermined key of the keyboard on the receiver side (a given command, col. 4, lines 21-22).

[lines 10-12 of claim 1]

reference numeral 32 denotes a memory controller for carrying out picture write and picture read control of buffer memory 42 (fig. 3, col. 20, lines 22). Fig. 2 is an explanatory view of picture conversion in the picture transmission system of this invention (a display section, col. 2, lines 12-13).

As to claim 2, Ohguchi teaches the memory comprising switches 21, 22 are switched to the still picture transmission side in a direction opposite to that of fig. 3 (col. 3, lines 44-45). Switches 21, 22 are switched to the moving picture transmission side as shown in fig. 3 (col. 3, lines 36-37) in which reference numeral 31 denotes a memory controller for carrying out picture write and picture read control of buffer memory 41 (fig.

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3, col. 3, lines 17-19). Reference numeral 32 denotes a memory controller for carrying out picture write and picture read control of buffer memory 42 (fig. 3, col. 20, lines 22). Picture signals are output from buffer memories 41, 42, they are sent in the state where they are caused to undergo sequencing so that they are arranged in series (col. 3, line 66 to col. 4, line 2).

As to claim 17, Ohguchi teaches the operations of memory controllers 31, 32 are both controlled by a signal from CPU (fig. 3, col. 3, lines 22-24).

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 9 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ohguchi in view of Ishikawa (US 5,444,458).

As to claims 9 and 10, Ohguchi teaches of the claimed limitations except for RAM-incorporated column driver, and row driver.

However, Ishikawa teaches the D/Dseg 38a and 38b comprise display VRAMs 40a and 40b, respectively, and the LCD 32 is driven in accordance with the display data written in the display VRAMs 40a and 40b as a bit map pattern (fig. 1, col. 3, lines 17-20) and a common display driver D/Dcom 39 (fig. 1, col. 3, line 15-16).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to provide Ohguchi's memory including the D/Dseg 38 incorporated VRAM

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40 and D/Dcom 39, in view of the teaching in the Ishikawa's reference because this would provide a display control device in which the software designing burden in order for storing display data output from the CPU into the display memory, can be reduced as taught by Ishikawa (col. 2, lines 13-16).

Allowable Subject Matter

4. Claims 3-8, 11-16 are allowed.

5. The following is a statement of reasons for the indication of allowable subject matter:

Ohguchi does not teach [recited in lines 7-21 of claim 3].

6. Claim 18 and 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. The following is a statement of reasons for the indication of allowable subject matter:

Ohguchi does not teach [recited in lines 5-13 of claim 18].

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Kevin M. Nguyen** whose telephone number is **703-305-6209**. The examiner can normally be reached on MON-THU from 9:00-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard A Hjerpe** can be reached on **703-305-4709**.

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Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Kevin M. Nguyen
Patent Examiner
Art Unit 2674

KN
June 9, 2004


XIAO WU
PRIMARY EXAMINER